

AMENDMENTS TO THE ABSTRACT

Please delete the Abstract. A substitute Abstract is as follows:

A water treatment is described to prepare water of small molecular groups in various polymerization forms under varied operation conditions. In this device, layers of permanent magnets are set with Pole N and opposite Pole S one next to each other along the circumferential wall of square magnetizer. Each layer of the permanent magnet includes four permanent magnets of isosceles trapezoid which are spaced closely. The upper Pole N magnet and the lower Pole S magnet, the upper Pole S magnet and the lower Pole N magnet intersect accordingly to combine a multi-layer and multi-polarity magnetic structure, thus a web-shaped static magnetic field channel is formed. The number of layers, i.e. the length of the magnetic field channel depends on requirements of the active water in different polymerization forms. They are sealed in an independent pipe device, and the device is connected to the water supply pipe when it is used. It is applicable to various fields which need water including planting, flowers and trees, human health care, bio-engineering, descaling of thermal systems and printing and dyeing in textile industry. The new type has these features: the magnetizer is disposed in the inner core, and the permanent magnet is disposed in the magnetizer. Its advantages include: the structure is fresh, the adaptability is wide, the function is multiple, and the effect is stable and evident (for example, in vegetable growing, the yield of the various vegetables irrigated by the active water is increased by 30%-103%).